riease type a plus sign (1) maide this box -> [+	Please type a	plus sign (+) inside this box \rightarrow	+
---	---------------	---	---

PTO/SB/08A (10-96)

	Approved for use through 10/31/99. OMB 0651-003
	Patent and Trademark Office: U.S. DEPARTMENT OF COMMERC
Under the Paperwork Reduction Act of 1995, no persons are required to respond to	a collection of information unless it displays a valid OMB control number

Substitute for form 1449AUTO		Complete if Known		
	NOV 2 4 2003	Application Number	10/630,918	
INFORMATION DISCEC	SURE	Filing Date	November 20, 2003	
STATEMENT BY APPL	KEANT BY SEE	First Named Inventor	RUBINSTEIN, Abraham	
	EMB	Group Art Unit	Not yet known	
(use as many sheets as neces	sary)	Examiner Name	WEBMAN, E.	
Sheet 1 of 5		Attorney Docket Number	P-4798-US2	

U.S. PATENT DOCUMENTS								
Evaminer	Cite	U.S. Patent Docu	ument	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant		
Examiner Initials*	Cite, No.1	Number Kind (if ki	l Code² nown)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear		
19	AA	4,568,559		NUWAYSER et al.	Feb. 4, 1986			
_//								
_//								
V				·				
	<u> </u>					•		
		0						
	<u> </u>							
		·			<u> </u>			

				FORE	IGN PATENT DOCUME	ENIS		-
,	ForeignPatent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines,		
Examiner Initials*	Cite No. 1	Office³	Number Kin	d Code ⁵	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Τ°
1/	AB	DD	252539A1		Europe	Dec 1987		
1/						-		
0								
								_ _
								_ _
								드
				<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Examine Signatur			(1	Date	e losidered	100	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside the	المبا	to respon	Patent and Trader	proved for use through 10/31/99.	OF COMMERCE
Substitute for fo	orm 1449B/PTQ NOV 2	, 2013 E	Con	nplete if Known	
	E E	Ap	ication Number	10/630,918	
INFORMATION	I DISCLOSÜRE	dilin	g Date	November 20, 2003	
STATEMENT	SA YDDI IC VVILLEYD	EN	Name of Instanton	DUDINCTEIN Absolum	

Group Art Unit

Examiner Name

Attorney Docket Number

(use as many sheets as necessary)

5

of

2

Sheet

Not yet known

WEBMAN, E.

P-4798-US2

		NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²					
2	AC	BATTAGLIA, E., et al., "Characterization of a New Class of Inhibitors of the Recombinant Human Liver UDP-Glucuronosyltransferase, UGT1*6, Biochimica et Biophysica Acta, 1243: 9-14 (1995)	. 🗆					
1	BENET, L.Z., et al., "Importance of Drug Metabolism and Antitransport Processes: A Paradigm Shift in Oral Drug Delivery," Proceedings of the 7th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, pp 11-14 (1995)							
	AE BORCHARD, G., et al., "Multifunctional Polymers for Improved Peroral Peptide Drug Absorpton," Proceedings of the 7th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, pp 7-10, Bai J. P-F., et al. ibit., pp 153-154 (1995).							
	AF	CHAO, Y.W. and FLYNN, M., "Oral Delivery of Insulin," Lancet, 23: 1518-1519 (1989).						
	AG	DAMGÉ, C., et al., "New Approach for Oral Administration of Insulin with Polyalkylcyanoacrylate Nanocapsules as Drug Carrier," Diabetes, 37: 246-251 (1988).						
	АН	DANFORTH, JR., E. and MOORE, R.O., "Intestinal Absorpton of Insulin in the Rat," Endocrinology, 65: 118-123 (1959).						
	AI	DAPERGOLAS, G. and GREGORIADIS, "Hypoglyaemic Effect of Liposome-Entrapped Insulin Administered Intragastrically into Rats," Lancet, 2:824-827 (1976).						
	LA	Eudragit® RL Data Sheet (Info RL-3/e). No date given.						
	. AK	Eudragit® RL/RS Standards Sheet (Info RL/RS-7/e). No date given.						
	AL.	Eudragit® RL/RS Technical Application Pamphlet (Info RL/RS-11/e). No date given.						
1	АМ	Eudragit® RL/RS Technical Application Pamphlet (Info RL/RS-12/e). No date given.						
Eudragit® RL and RS Application in the Production of Pharmaceutical Preparations Prospectus (Info RL/RS-1/e). No date given								
1/.								
Examir Signatu		Date Considered (0/04)						

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type	a plus sign (+) inside this box →	+
-------------	-----------------------------------	---

PTO/SB/08A (10-96)
Approved for use through 10/31/99, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	Substitu	ite for fo	om 1449B/8TO HOV 2 4 2003	Com	plete if Known
				Application Number	10/630,918
INF	ORMA	OIT	I DISCLOSURE	Filing Date	November 20, 2003
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			BY APPLICANTED	First Named Inventor	RUBINSTEIN, Abraham
				Group Art Unit	Not yet known
(use as many sheets as necessary)				Examiner Name	WEBMAN, E.
Sheet	3	of	5	Attorney Docket Number	P-4798-US2

		NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²						
()	AO	FAHR, A., "Cyclosporin Clinical Pharmacokinetics," Clin. Pharmacokinet., 24(6): 472-495 (1993)							
Ti	AP	GEARY, R.S. and SCHLAMEUS, H.W., "Vancomycin and Insulin Used as Models for Oral Delivery of Peptides," J. Controlled Release, 23 : 65-74 (1993)							
	AQ	GORIYA, Y., et al., "Blood Glucose Control and Insulin Clearance in Unrestrained Diabetic Dogs Portally Infused with a Portable Insulin Delivery System," Diabetologia, 19: 452-457 (1980)							
	AR	HOCHMAN, J.H., et al., "In vitro and In Vivo Analysis of the Mechanism of Absorption Enhancement by Palmitoylcamitine," J. Parm. and Exp. Therap., 269 (2): 813-822 (1994)							
	AS	HOCHMAN, J. and ARTURSSON, P., "Mechanisms of Absorption Enhancement and Tight Junction Regulation," J. Controlled Release, 29 : 256-267 (1994)							
	АТ	HONESCH, H., et al., "Cytochrome P-450 and Drug Metabolism in Intestinal Villous and Crypt Cells of Rats: Effect of Dietary Iron," Biochem and Biophys. Res. Comm., 65(1): 399-406 (1975)							
	AU	KIDRON, M., et al., "The Absorption of Insulin From Various Regions of the Rat Intestine," Life Science, 31 (25): 2837-2841 (1982).							
	AV	KRAELING, M.E.K. and RITSCHEL, W.A., "Development of a Colonic Release Capsule Dosage Form and the Absorption of Insulin," Meth Find Exp. Clin. Pharmacol., 14(3): 199-209 (1992)							
	AW	LEE, V.H.L., et al., "Oral Route of Peptide and Protein Drug Delivery," V.H.L. Lee (Ed.): Peptide and Protein Drug Delivery, Marcel Dkker, 1991 New York, pp 691-738.							
	AX	MORISHITA, M., et al., "Novel Oral Microspheres of Insulin With Protease Inhibitor Protecting From Enzymatic Degradation," Intl. J. Pharmaceutics, 78 : 1-7 (1992).							
	AY	MURANISHI, S., "Absorption Enhancers," Critical Reviews in Therapeutic Drug Carrier Systems, 7(1): 1-34 (1990)							
9	OSBORNE, R., et al., "Morphine and Metabolite Behavior After Different Routes of Morphine Administration: Demonstration of the Importance of the Active Metabolite Morphine-6-Glucuronide," Clin. Pharmacol, Ther., 47(1): 12-19 (1990)								
V									
Examin Signatu		Date Considered 10/04							

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*} **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type	a plus	sign (+)	Inside this	box →	+
-------------	--------	----------	-------------	-------	---

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no person sale respond to a collection of information unless it displays a valid OMB control number.

					3/	<u> </u>
	Substitu	te for fo	om 1449B/PT	O HOV 2 4 2003	Comp	plete if Known
			3		Application Number	10/630,918
INFORMATION DISCLÓBURE STATEMENT BY APPLICANT					Filing Date	N vember 20, 2003
STATEMENT BY APPLICANT				ICANT	First Named Inventor	RUBINSTEIN, Abraham
					Group Art Unit	Not yet known
(4	ise as ma	any sh	eets as neces	sary)	Examiner Name	WEBMAN, E.
Sheet	4	of	5		Attorney Docket Number	P-4798-US2

	-	NON PATENT LITERATURE DOCUMENTS	· · · · · ·			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposlum, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
J	AA2	PATEL, H.M. and RYMAN, B.E., "Oral Administration of Insulin by Encapsulation Within Liposomes," FEBS Letters, 26(1): 60-63 (1976)				
1	AB2	PETERS, W.H.M., et al., "Glutathione S-Transferase, Cytochrome P450, and Uridine 5' — Diphosphate-Glucuronosyltransferase in Human Small Intestine and Liver," Gastroenterology, 96 : 783-789 (1989)				
	AC2	SAFFRAN, M., et al., "A New Approach to the Oral Administration of Insulin and other Peptide Drugs," Science, 233: 1081-1084 (1986)				
	AD2	SANDERS, L.M., et al., "Prolonged Controlled-Release of Nafarelin, A Luteinizing Hormone-Releasing Hormone Analogue, From Biodegradable Polymeric Implants: Influence of Composition and Molecular Weight of Polymer," J. Pharm. Sci., 75(4): 356-360 (1986)				
	AE2	SANDERS, L.M., et al., "Controlled Delivery of an LHRH Analogue From Bjodegradable Injectable Microspheres," J. Controlled Release, 2: 187-195 (1985).				
	AF2	SCHULTE-HERMANN, R. and PARZEFALL, W., "Adaptive Responses of Ra Liver to the Gestagen and Anti-Androgen Cyproterone Acetate and other Inducers. I. Induction of Drug-Metabolizing Enzymes," Chem Biol. Interactions, 31: 279-286 (1980).				
	AG2	TAKAHASHI, K., et al., "Decanoic Acid Induced Enhancement of Rectal Absorption of Hydrophilic Compounds in Rats," Pharmaceutical Res., 11(10): 1401-1404 (1994)				
	AH2	TAKAHASHI, K., et al., "Pharmacokinetics Analysis of the Absorption Enhancing Action of Decanoic Acid and its Derivatives in Rats," Pharm. Res., 11(3): 388-392 (1994).				
	AI2	TOUITOU, E. and RUBINSTEIN, A., "Targeted Enteral Delivery of Insulin to Rate," Intl. J. Pharm., 30 : 95-99 (1986)				
	AJ2	VAN HOOGDALEM, E.J., et al., "Intestinal Drug Absorption Enhancement: an Overview," Pharmac, Ther., 44: 407-443 (1989)				
WAHLSTRÖM, A., et al., "Tricyclic Antidepressants Inhibit Opioid Receptor Binding in Human Brain and Hepatic Morphine Glucuronidation," Phar. & Toxic., 75: 23-27 (1994).						
_//						
∉xamine Signatu		Date Considered (0/04				

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box →	1 + 1

PTO/SB/08A (10-96) 1/99. OMB 0651-0031

	Approved for use through 10/31/99. OMB 0651-003
106	Patent and Trademark Office: U.S. DEPARTMENT OF COMMERC
Under the Paperwork Reduction Act of 1995, no pepson are required to respond	to a collection of information unless it displays a valid OMB control number
	, ,

					Complete if Known	
	•		E		Application Number	10/630,918
INFORMATION DISCLOSURE NEW STATEMENT BY APPLICANT				SUREMARK	Filing Date	November 20, 2003
				CANT	First Named Inventor	RUBINSTEIN, Abraham
•					Group Art Unit	Not yet known
(use as many sheets as necessary)				ary)	Examiner Name	WEBMAN, E.
Sheet	5	of	5		Attorney Docket Number	P-4798-US2

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
7	AL2	WEINGARTEN, C., et al., "Oral Ingestion of Insulin Liposomes: Effects on the Administration Route," Life Science, 28 : 2747-2752 (1981)				
0	AM2	ZIV, W., et al., "Absorption of Protein via the Intestinal Wall, Bochem. Pharmcol, 36(7): 1035-1039 (1987)				
J	AN2	Database WPI, Week 9530, Derwent Publications Ltd., London, GB; AN 95-228636 & JP, A, 07 138 182 (TOYOBO et al.), 30 May 1995 Abstract.				
	00		-			
		,				
Examin Signatu		Date Considered 10/04				

[•] EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.